

# A Complete Bibliography of *ACM Transactions on Parallel Computing (TOPC)*

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## Title word cross-reference

2013 [DH15]. 2014 [MSS16].

3 [HDT<sup>+</sup>15].

**Abort** [DR15]. **Accelerators** [HKL<sup>+</sup>14].  
**Access** [HDT<sup>+</sup>15]. **Accuracy** [BHB<sup>+</sup>15].  
**ACM** [Gib14]. **Adaptive** [JCG<sup>+</sup>14]. **Affine**  
[DMB16]. **Against** [ES15]. **Airwaves**  
[GZ15]. **Algorithm** [BHB<sup>+</sup>15, SB14].  
**Algorithm-Based** [BHB<sup>+</sup>15]. **Algorithms**  
[BCRS16, JMT16, KX16, KMVV15,  
MMM16, SG15]. **Aligners** [SMM<sup>+</sup>16].  
**Allocating** [SA16]. **Allocation**  
[JKP<sup>+</sup>15, XZZY15]. **Analysis** [SBF<sup>+</sup>16].  
**APGAS** [THC<sup>+</sup>16]. **application** [SB14].

**Applications** [BGA<sup>+</sup>16, WMP14].  
**Architecture** [HKL<sup>+</sup>14, SMM<sup>+</sup>16].  
**Assessing** [BCRS16]. **Attacks** [ES15].  
**Automatic** [REP<sup>+</sup>14, WMP14]. **Avoiding**  
[BDK15].

**Band** [BDK15]. **Based**  
[BGLP16, BHB<sup>+</sup>15, MMF<sup>+</sup>15]. **Block**  
[SMM<sup>+</sup>16]. **Bound** [MP15]. **Bounded**  
[SBF<sup>+</sup>16]. **Branch** [MP15]. **Branching**  
[DPRR15]. **Broadcast** [GZ15].  
**Cache** [HL16]. **Cartesian** [SB14]. **Causes**  
[BGA<sup>+</sup>16]. **Channel** [XZZY15]. **Chip**  
[XZZY15]. **Chromatic** [KHS16]. **class**  
[REP<sup>+</sup>14]. **Clique** [MP15]. **Clos** [YNM16].  
**Closure** [KH15]. **Clustering** [FLEN15].  
**Clusters** [JMNY15]. **Coalescing** [DPRR15].

**Coalescing-Branching** [DPRR15].  
**Cohorting** [DMS15]. **Collective** [SG15].  
**Communication** [BDK15, WMP14].  
**Competitive** [DKKM15]. **Competitively** [IMPT16]. **Compiling** [DMB16].  
**Composition** [KH15]. **Computational** [KH15]. **Computations** [HSS15, KHSL16].  
**Computing** [BGHS16, JMNY15, Gib14].  
**Concurrency** [TDB16]. **construction** [SB14]. **Consumption** [JCG<sup>+</sup>14].  
**Continuous** [DKKM15]. **Controlled** [TDB16]. **Cope** [BCRS16]. **Cores** [SA16].  
**Creation** [BGLP16]. **CUDA** [KH15].  
  
**Data** [KHSL16, RB14]. **Data-Graph** [KHSL16]. **Deadline** [JMNY15].  
**Deadline-Sensitive** [JMNY15]. **Dense** [BHB<sup>+</sup>15]. **Designing** [DMS15]. **Detection** [KUCT15]. **Deterministic** [YNM16].  
**Deterministically** [KHSL16]. **Distributed** [DMB16, KX16, REP<sup>+</sup>14]. **Dynamic** [DMB16, KHSL16, KUCT15, MMM16].  
  
**Editor** [Her15]. **Efficient** [DR15, PRS16, SSS15]. **Empirical** [TDB16].  
**Energy** [SA16]. **Enhancing** [RB14]. **Errors** [BCRS16]. **executable** [WMP14].  
**Executing** [KHSL16]. **Execution** [HSS15].  
**Experimental** [SBF<sup>+</sup>16]. **Explicit** [HSS15].  
**Expression** [KH15]. **Extreme** [TJK15].  
**Extreme-Scale** [TJK15].  
  
**Factorizations** [BHB<sup>+</sup>15]. **Fail** [BCRS16].  
**Fail-Stop** [BCRS16]. **Failures** [BHB<sup>+</sup>15].  
**Fast** [KMVV15]. **Fault** [BHB<sup>+</sup>15]. **Fly** [LLS<sup>+</sup>15]. **Folded** [YNM16]. **Folded-Clos** [YNM16]. **Formation** [DKKM15].  
**Frequency** [XZZY15]. **Futures** [HL16].  
  
**Games** [BGLP16, FLEN15]. **General** [BCRS16, DMS15]. **General-Purpose** [BCRS16]. **generation** [WMP14]. **GPU** [MGG15]. **Graph** [KHSL16, KX16, MGG15].  
**Graphics** [BOU16]. **Graphs** [DPRR15].

**Greedy** [KMVV15]. **Guest** [Her15].  
  
**Hardware** [HKL<sup>+</sup>14, PRS16]. **Hedonic** [FLEN15]. **Heuristics** [SA16]. **High** [KH15, MGG15, XZZY15].  
**High-Frequency** [XZZY15].  
**High-Performance** [MGG15].  
**High-Throughput** [XZZY15].  
**Hypergraphs** [BGHS16].  
  
**IBM** [HKL<sup>+</sup>14]. **Identifying** [BGA<sup>+</sup>16].  
**Implications** [MP15]. **Improving** [JCG<sup>+</sup>14]. **Independent** [BGHS16].  
**Information** [ES15]. **Insider** [ES15].  
**Intermediate** [IMPT16]. **Introduction** [DH15, Her15, LDML16, Lil14, MSS16, PRS15, Gib14]. **Inversion** [SSS15]. **IRIS** [ES15]. **irregular** [REP<sup>+</sup>14]. **Issue** [DH15, LDML16, MSS16, PRS15].  
  
**Jobs** [JMNY15]. **Joint** [SA16].  
  
**Large** [BGA<sup>+</sup>16, JMNY15]. **Large-Scale** [BGA<sup>+</sup>16]. **Leveraging** [PRS16]. **Limited** [EDMSV15]. **Linear** [DKKM15]. **Links** [TJK15]. **Locality** [BGLP16, HL16].  
**Locality-Based** [BGLP16]. **Lock** [DMS15].  
**Locks** [DMS15]. **Loop** [DMB16]. **loops** [REP<sup>+</sup>14]. **Low** [MMM16]. **Low-Rank** [MMM16].  
  
**Management** [TJK15]. **MapReduce** [KMVV15]. **MASA** [SMM<sup>+</sup>16]. **Matrix** [BHB<sup>+</sup>15, SSS15]. **Maximal** [BGHS16].  
**Maximum** [MP15]. **Mechanisms** [JMNY15]. **Memory** [DMB16, DR15, EDMSV15, HDT<sup>+</sup>15, KUCT15, MMF<sup>+</sup>15, REP<sup>+</sup>14]. **Message** [PRS16]. **methodology** [WMP14].  
**Methods** [MMM16]. **Metrics** [RB14]. **MPI** [HDT<sup>+</sup>15, WMP14]. **MPI-3** [HDT<sup>+</sup>15].  
**Multi** [SA16]. **Multi-Cores** [SA16].  
**Multicore** [RB14]. **Multicore/Multichip** [RB14]. **Multiplatform** [SMM<sup>+</sup>16].

**Multiple** [BOU16, BHB<sup>+</sup>15, KP15].  
**Multiported** [SG15].

**Near** [JMNY15]. **Near-Optimal** [JMNY15]. **Nests** [DMB16]. **Network** [BGLP16]. **Networks** [SG15, TJK15, YNM16]. **Nodes** [RB14].  
**Noise** [HSS15]. **Noise-Tolerant** [HSS15].  
**Nonuniform** [HSS15]. **NUMA** [DMS15].

**Objects** [KH15]. **On-Chip** [XZZY15].  
**On-the-Fly** [LLS<sup>+</sup>15]. **On/Off** [TJK15].  
**Open** [GZ15]. **OpenMP** [KH15]. **Optimal** [JMNY15]. **Optimization** [RB14, SA16].  
**Order** [BOU16].

**Parallel**  
[BGHS16, BGA<sup>+</sup>16, EDMSV15, Gib14, JMT16, KX16, MP15, SB14, WMP14].  
**Parallelism** [LLS<sup>+</sup>15]. **Parallelizability** [IMPT16]. **parallelization** [REP<sup>+</sup>14].  
**Parallelizing** [MMM16]. **Passing** [PRS16].  
**Path** [YNM16]. **Peeling** [JMT16].  
**Multiprocessor** [RB14]. **Off** [TJK15].  
**Performance** [HKL<sup>+</sup>14, JCG<sup>+</sup>14, KH15, MGG15, RB14, SA16]. **Petascale** [THC<sup>+</sup>16]. **Physics** [KH15]. **Pipeline** [LLS<sup>+</sup>15]. **Pipelines** [JPK<sup>+</sup>15].  
**Polylogarithmic** [SSS15]. **Power** [JCG<sup>+</sup>14, TJK15]. **POWER7** [JCG<sup>+</sup>14].  
**PowerEN** [HKL<sup>+</sup>14]. **PPoPP'12** [PRS15].  
**PPoPP'14** [LDML16]. **Precise** [KUCT15].  
**Prefetching** [JCG<sup>+</sup>14]. **Problem** [MP15].  
**Problems** [DKKM15]. **Process** [HSS15].  
**Processing** [BOU16]. **Processor** [HKL<sup>+</sup>14].  
**Processors** [KP15]. **Profitable** [KP15].  
**Programming** [HDT<sup>+</sup>15, MMM16].  
**Pruning** [SMM<sup>+</sup>16]. **Purpose** [BCRS16].

**QoS** [MMF<sup>+</sup>15].

**Race** [KUCT15]. **Random** [DPRR15].  
**Rank** [MMM16]. **Rates** [HSS15].  
**Reduction** [BDK15, DR15]. **Remote**

[HDT<sup>+</sup>15]. **Requirements** [MMF<sup>+</sup>15].  
**Resource** [JPK<sup>+</sup>15]. **Robot** [DKKM15].  
**Robust** [ES15]. **Root** [BGA<sup>+</sup>16]. **Routers** [XZZY15]. **Routing** [YNM16]. **Runtime** [DMB16, JPK<sup>+</sup>15, TJK15].

**Scalable** [KUCT15, KP15, MGG15]. **Scale** [BGA<sup>+</sup>16, TJK15]. **Schedulers** [SBF<sup>+</sup>16, TDB16]. **Scheduling** [DMB16, EDMSV15, IMPT16, JMNY15, KHS16, KP15]. **SciPAL** [KH15]. **Search** [MP15]. **Selecting** [BOU16]. **Sensitive** [JMNY15]. **Sequence** [SMM<sup>+</sup>16]. **Sets** [BGHS16]. **Shape** [MP15]. **Shared** [DMB16]. **Silent** [BCRS16]. **Simple** [KX16, XZZY15, SB14]. **Single** [YNM16].  
**Single-Path** [YNM16]. **Sixteen** [SA16].  
**Software** [JPK<sup>+</sup>15, MMF<sup>+</sup>15]. **SPAA** [DH15, MSS16]. **Space** [SBF<sup>+</sup>16].  
**Space-Bounded** [SBF<sup>+</sup>16]. **Sparsification** [KX16]. **Special** [DH15, LDML16, MSS16, PRS15].  
**specifications** [WMP14]. **Spectral** [KX16].  
**Speed** [KP15]. **Speed-Scalable** [KP15].  
**States** [BGA<sup>+</sup>16]. **Statistics** [BOU16].  
**Stencil** [HSS15]. **Stop** [BCRS16].  
**Strategies** [DKKM15]. **Streaming** [KMVV15]. **Structure** [RB14]. **Structured** [HL16]. **Study** [TDB16]. **Successive** [BDK15]. **suffix** [SB14]. **Supporting** [MMF<sup>+</sup>15]. **SybilCast** [GZ15].  
**Synchronization** [PRS16]. **System** [ES15].  
**Systems** [KUCT15, TJK15, REP<sup>+</sup>14].

**Task** [EDMSV15]. **Tasks** [IMPT16, SA16].  
**Technique** [DMS15]. **Temperature** [SA16].  
**Templates** [KH15]. **Testing** [TDB16].  
**Thread** [PRS16]. **Throughput** [XZZY15].  
**Time** [MMF<sup>+</sup>15, SSS15, DR15].  
**Time-Based** [MMF<sup>+</sup>15]. **Time-Warp** [DR15]. **Tolerance** [BHB<sup>+</sup>15]. **Tolerant** [HSS15]. **Torus** [SG15]. **TRADE** [KUCT15]. **Transactional** [DR15, KUCT15, MMF<sup>+</sup>15]. **Transactions**

- [Gib14]. **Traversal** [MGG15]. **Tree**  
 [MP15, SB14]. **Trees** [EDMSV15].
- Unit** [BOU16]. **Using** [KHS16, TDB16].
- Virtual** [XZZY15].
- Wait** [BGA<sup>+</sup>16]. **Walks** [DPRR15]. **Warp**  
 [DR15]. **Well** [HL16]. **Well-Structured**  
 [HL16]. **Work** [SSS15]. **Work-Efficient**  
 [SSS15].
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